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TWENTY-NINTH ANNUAL REPORT

OF THE

WORCESTER INSANE ASYLUM

AT

WORCESTER,

FOR THE

YEAR ENDING NOVEMBER 30, 1906.

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OFFICERS OF THE ASYLUM.

TRUSTEES.

GEORGE F. BLAKE,	WORCESTER.
LYMAN A. ELY,	WORCESTER.
THOMAS H. GAGE, JR.,	WORCESTER.
THOMAS RUSSELL,	BOSTON.
SARAH E. WHITIN,	WHITINSVILLE.
FRANCES M. LINCOLN,	WORCESTER.
SAMUEL B. WOODWARD,	WORCESTER.

RESIDENT OFFICERS.

ERNEST V. SCRIBNER, M.D.,	*Superintendent.*
H. LOUIS STICK, M.D.,	*Assistant Physician.*
ARTHUR E. PATTRELL, M.D.,	*Assistant Physician.*
WILLIAM T. HANSON, M.D ,	*Assistant Physician.*
ABBIE S. FAY,	*Matron.*

NON-RESIDENT OFFICERS.

ALBERT WOOD,	*Treasurer.*
GEORGE L. CLARK,	*Examiner.*
SUSIE G. WARREN,	*Clerk.*
FREDERICK H. BAKER, M.D.,	*Pathologist.*
FOREST A. SLATER,	*Engineer.*

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester Insane Hospital, having in charge the Worcester Insane Asylum, respectfully present the twenty-ninth annual report of this institution.

Through the operation of the law changing the time of ending of the financial year, the time covered by this report represents a period of fourteen months. During this time the asylum has rapidly added to the number of its patients, the daily average having been nearly 768, as against 688 of the previous year. This increase has been at the Grafton colony, which has been the scene of our most extensive operations. Since our last report the bridge across the Boston & Albany Railroad has been completed and has for some time been in use, thus eliminating a most dangerous grade crossing. The building for excitable men and the building at our No. 3 colony will soon be ready for occupancy. The new cattle barn is also in process of construction. Much work has been done in the improvement of the farm and in general colony development.

The water supply at the colony is proving insufficient in quantity, and measures should be taken as early as possible to make a provision commensurate with the needs of the institution. An appropriation is asked for sufficient to cover the necessary expenditure, the estimate of which will be presented later.

An increase of the capacity for sewage disposal is also needed at the colony. For the accomplishment of this purpose we ask an appropriation of $2,000.

We also ask that an appropriation of $3,000 be granted for the purchase of road-making machinery for use at the Grafton colony.

At the asylum no special appropriation is asked for. The work authorized here by the last Legislature is being actively prosecuted.

The institution has been free from any considerable amount of acute illness, and the general physical health of the inmates has been as good as could be expected in a community of such a character.

The reports of the superintendent and treasurer, which are appended hereto, show in more detail the operations of the institution.

Much difficulty has been experienced in securing sufficient and proper employees. The general prosperity of the country has enabled many desirable young men and young women to obtain more congenial employment and at higher rates of wages than the asylum can offer. This Board believes that such an improvement of service as would greatly simplify the problems of hospital management would be secured if such financial provision could be made as would render possible a substantial increase in wages.

Dr. P. C. Bartlett, assistant physician at the asylum, has been obliged to resign his position, on account of ill health. The resignation of Dr. Bartlett was accepted with regret, and he carries with him the best wishes of this Board for his future success. The position made vacant has been filled by promotion, and Dr. William T. Hanson has been appointed to the staff as junior assistant.

We wish to record our appreciation of the high character and ability of the late Hon. Rockwood Hoar, who for many years was actively interested in the work of this institution.

We renew our expressions of esteem and appreciation to the superintendent, the members of the staff, the officials and employees for their faithful and efficient services.

Respectfully submitted,

GEORGE F. BLAKE.
LYMAN A. ELY.
THOMAS H. GAGE, Jr.
THOMAS RUSSELL.
SARAH E. WHITIN.
FRANCES M. LINCOLN.
SAMUEL B. WOODWARD.

SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester Insane Hospital, acting for the Worcester Insane Asylum.

I respectfully present the twenty-ninth annual report of the superintendent of the Worcester Insane Asylum.

In reviewing the general operations of the past year, it is to be borne in mind that the statistical tables are compiled for the year ending Sept. 30, 1906, while all other information deals with the period ending Nov. 30, 1906, which in this special report covers a space of fourteen months.

Considering the statistical year, on Oct. 1, 1905, 360 men and 344 women — 704 patients — were inmates of this institution. During the year 31 men and 171 women were admitted, bringing the whole number of cases for the year up to 906, — 391 men and 515 women. Of this number, 22 men and 31 women died, and 7 men and 6 women were removed from various causes, leaving 362 men and 478 women, — 840 persons present Sept. 30, 1906. Of this number remaining, 25 persons are reimbursing patients, leaving the great bulk of our population supported at the public expense. Of the persons discharged, 2 men and 2 women were transferred to other places, 3 as improved and 1 as not improved; and 5 men escaped. The daily average number of patients for the statistical year was 755.84; while for the financial year, ending Nov. 30, 1906, the daily average was 767.66, — a very substantial increase over the numbers of last year.

The vast majority of the patients received have, as usual, been quite advanced in dementia. Marked improvement in cases like this, is, of course, not to be hoped for. Mental disease, however, often changes its manifestations; and, while not ending in recovery, such limited improvement sometimes takes place as greatly contributes to the capacity of the individual to appreciate the enjoyment of living. A careful and

painstaking attention on the part of nurses is necessary, if we are to detect and fan into flame these flickerings of reason. The care and tact necessary for the proper management of these cases often equal that required for the care of an acute case.

Notwithstanding the utmost care and attention, the securing and retaining of suitable employees have been more difficult than ever during the past year. It has more often been a difficulty in the matter of quality, though at times the question of number has been acute. Many conscientious and capable people have entered the service, but have been retained with difficulty. Under existing conditions, the financial resources of the institution will not warrant the offering of that compensation which I feel should be given. I am very sure that if a substantial increase in wages could be given a corresponding substantial rise would follow in the character of the persons obtainable and the duration and quality of the service rendered.

The death rate has continued low. The deaths have been scattered over a greater number of causes than usual. Pulmonary tuberculosis, which has been such a prominent cause of death in past years, has dropped to nearly half its usual ratio. The various forms of heart disease have been more prominent than usual as a cause of death. It has been my experience that affections of the heart are quite common among the insane. About one-fifth of all the deaths have been obviously due to causes directly connected with mental disease. Of the remaining four-fifths, while these same causes doubtless contributed in many cases, the immediate causation was more in line with the causes operating in the general community.

The general health of the institution has been good, both in Worcester and at the colony. A few cases of contagious disease occurred, but all were promptly isolated, and no general epidemic followed. There were eight cases of measles and one case of chicken-pox, all among the employees. The occurrence or spread of contagious disease is rare among the patients. The typhoid fever, which at the time of my last annual report existed at our colony, was all confined to one building. Sev-

eral cases occurred. The causation of that outbreak was clearly traced to one case, contracted from some outside source. Since the termination of those cases the colony has been free from this disease, showing that no local source of infection exists. A few scattered cases have occurred at the asylum, but always apparently due to some cause outside the institution.

For several years past the institution has been rapidly expanding its capacity for the care of patients, and each year has seen some new undertaking entered upon. During this time our energies have been chiefly exerted in this direction. For the coming year no new building operations will he begun, and an opportunity will be given for the completion of work now in hand. At the asylum no special appropriation will be asked for. At the colony our needs will be small in comparison with the undertakings of previous years. The problem of an adequate water supply has not yet been solved there. The water which is obtained is of most excellent quality, but is insufficient in quantity. At the time of the writing of my last annual report it was believed that the solution of the water problem would be an easy one, inasmuch as a quite extensive water-shed, draining uncontaminated areas, centered within the asylum property. Upon attempting to sink wells here, the presence of water was demonstrated; but at a comparatively shallow depth quicksand was encountered in large quantity, and proved so difficult to handle that the work has been temporarily suspended, as the financial requirements were such as could not be well met from our ordinary revenues. Although our water supply is more abundant than a year ago, our requirements have increased in greater ratio.

I recommend that an appropriation be asked for the development of our water supply. The exact sum needed cannot be accurately stated at this time, but will be determined by the driving of a test well, which will assist in demonstrating the quality and flow of water as well as the probable cost of the work. An estimate of the expenditure involved can undoubtedly be ready in ample season for the consideration of the coming Legislature. Such sum only will be sought as will make reasonable provision for the very near future. Extensive enlargement of population might in time present other needs.

During the year considerable work has been done in the matter of sewage disposal in the construction of new filter beds. Our filtration areas should be still further extended, to keep pace with our extension in capacity. I recommend that an appropriation of $2,000 be asked for this purpose. This sum, with the work which can be done with our present forces, will probably be sufficient for the work.

Last year a road machine was purchased, which has been of great assistance in the care of our colony roads. I believe, however, that roads of a more substantial nature should be eventually constructed. To enable us to properly perform this work, I recommend that an appropriation of $3,000 be asked for, to provide for the purchase of a stone crusher and other road-making machinery. As the colony has already over five miles of public highway for the care of which it is responsible, this, together with the other miles of private roadways which will become necessary in our colony development, will make a work of such magnitude as will necessarily extend over a comparatively long period of time.

At the colony the building for 100 women, which at the time of my last annual report was nearly completed, has long been occupied and is already completely filled. This building is used for the excitable insane women, and is proving well adapted for its purpose. At our No. 2 group the dormitory building for men has for some time been occupied. The building for 100 excitable men is nearly ready for occupancy, and, with the building for 50 men at our No. 3 group, which will be ready a little later, will very materially increase our colony capacity. While the last two mentioned buildings were nominally to be of a capacity of 100 and of 50 respectively, the actual capacity will be quite considerably in excess of this number, — an aggregate of 200 easily, — thus materially reducing the per capita cost of construction.

In the erection of our buildings at Grafton the superiority of concrete construction is to my mind very evident. This style of building is not only practically fireproof, but it is much more sound-proof than wooden construction, and cannot fail to be less expensive in the matter of future repairs. As the difference in cost is not excessive, I am fully persuaded that in any

future building brick and concrete should be given the preference over wood.

The silo at the new barn has been erected, and is now furnishing ensilage for the feeding of the cows at our No. 3 group. The foundations for the barn are partially completed, and the erection of this building will be pushed as rapidly as possible. Meantime, the cattle are very comfortably housed in the old barn near by. It is expected that later on the whole of this old barn will be needed for hay storage.

The bridge over the Boston & Albany Railroad has been completed and in use for some months. A roadway has also been constructed, leading from the main public highway to and for a short distance beyond this bridge, thus giving access from our main headquarters at No. 1 to the power house, the Pines and the farm group beyond. Now there is no public passageway anywhere across the tracks of the Boston & Albany at grade. This bridge is built with sufficient strength and equipment to admit of the passage of a trolley car, should this be desirable at some future date. I can easily imagine that some time, with a considerable increase in the population and buildings there, a private tramway connecting the various parts of the colony may be the most satisfactory solution of freight and passenger transportation.

At the asylum the work of renewing our plumbing is in active progress. Here, as at the colony, it is not expected to undertake any new work the coming year. The Hermitage Pond, from which the asylum has a private pipe line, because of the extension of the city in that direction, has for some time been used only as a source of supply for the boilers, to run elevators and for other mechanical purposes. The domestic water supply of the institution is entirely from the city mains.

My assistant, Dr. Bartlett, has been compelled, through ill health, to resign his position on the medical staff. Dr. Bartlett has rendered faithful and efficient service during his connection with the institution, and he leaves with the regret and the best wishes of myself and his associates.

Dr. Stick has been promoted, and Dr. William T. Hanson has been appointed as junior assistant.

I wish to acknowledge my indebtedness to the officers and

the many faithful employees who have assisted in conducting the operations of the institution.

To the publishers of the Worcester "Evening Gazette" we are indebted for a copy of their paper, and to the Hospital Newspaper Society for books and papers. To Mrs. Charles H. Doe we owe special thanks for very generous contributions of books.

The Worcester Employment Society has done a large amount of sewing, which has been of very material assistance to the institution.

E. V. SCRIBNER,
Superintendent.

OFFICERS AND THEIR SALARIES.

Ernest V. Scribner, M.D., *Superintendent*,	$3,000 00
H. Louis Stick, M.D., *Assistant Physician*,	1,400 00
Arthur E. Pattrell, M.D., *Assistant Physician*,	800 00
William T. Hanson, M.D., *Assistant Physician*,	800 00
Frederick H. Baker, M.D., *Pathologist*,	100 00
Abbie S. Fay, *Matron*,	500 00
Albert Wood, *Treasurer*,	400 00
George L. Clark, *Examiner*,	50 00
Susie G. Warren, *Clerk*,	480 00
Forest A. Slater, *Engineer*,	1,000 00

VALUE OF STOCK AND SUPPLIES.

Dec. 1, 1906.

Live stock,	$9,000 00
Produce of farm on hand,	3,552 19
Carriages and agricultural implements,	3,882 94
Machinery and mechanical fixtures,	44,000 00
Beds and bedding in inmates' department,	15,000 00
Other furniture in inmates' department,	5,300 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	2,403 86
Dry goods,	2,146 54
Provisions and groceries,	2,191 74
Drugs and medicines,	330 00
Fuel,	2,000 00
Library,	1,000 00
Other supplies undistributed,	1,348 87
	$102,156 14

TREASURER'S REPORT.

To the Trustees of the Worcester Insane Hospital, acting for the Worcester Insane Asylum.

I herewith submit my twenty-ninth annual report of the finances of the Worcester Insane Asylum for the fourteen months ending Nov. 30, 1906: —

Available funds Sept. 30, 1905: —		
With State Treasurer: —		
Maintenance appropriation,	$49,374 07	
Asylum fund,	13,677 86	
At asylum,	155 73	
		$63,207 66
Amounts received during fourteen months: —		
From reimbursed cases,	$5,346 51	
From other sources,	1,153 60	
Collected by State Board of Insanity,	125 00	
		6,625 11
Appropriation by the Commonwealth for support of patients,		139,648 56
		$209,481 33

The expenditures for the fourteen months have been as follows: —

Salaries and wages,		$66,765 68
Food: —		
Beans,	$527 54	
Butter,	6,930 62	
Crackers,	599 24	
Cereals, rice, meal, etc.,	763 35	
Cheese,	618 80	
Eggs,	1,664 06	
Fish,	1,899 94	
Flour,	8,891 85	
Amounts carried forward,	$21,895 40	$66,765 68

Amounts brought forward,	$21,895 40	$66,765 68
Fruit,	1,430 67	
Meats,	9,087 14	
Milk,	1,552 38	
Molasses,	320 90	
Sugar,	2,216 66	
Tea, coffee and cocoa,	1,459 09	
Vegetables,	3,616 75	
Sundries,	2,011 70	
		43,590 69
Clothing and clothing material: —		
Boots, shoes and rubbers,	$1,650 50	
Clothing,	5,668 15	
Dry goods for clothing, and small wares,	2,807 73	
Furnishing goods,	226 22	
Hats and caps,	88 10	
Leather and shoe findings,	3 50	
Sundries,	223 35	
		10,667 55
Furnishings: —		
Beds, bedding, table linen, etc.,	$4,218 76	
Brushes, brooms, etc.,	389 78	
Carpets, rugs, etc,	95 54	
Crockery, etc.,	912 14	
Furniture and upholstery,	327 99	
Kitchen furnishings,	846 74	
Wooden ware, buckets, pails, etc.,	133 47	
Sundries,	1,271 32	
		8,195 74
Heat, light and power: —		
Coal,	$15,948 29	
Gas,	12 29	
Oil,	530 56	
Sundries,	42 76	
		16,533 90
Repairs and improvements: —		
Bricks,	$83 25	
Cement, lime and plaster,	631 19	
Electrical work and supplies,	1,260 67	
Hardware, iron, steel, etc.,	1,783 49	
Lumber,	2,620 45	
Machinery, etc.,	200 00	
Paints, oils, glass, etc.,	2,327 85	
Plumbing supplies,	1,987 23	
Roofing and materials,	67 77	
Sundries,	1,269 19	
		12,231 09
Amount carried forward,		$157,984 65

Amount brought forward,		$157,984 65
Farm, stable and grounds: —		
Blacksmith and supplies,	$444 94	
Carriages, wagons and supplies,	808 81	
Fertilizers, vines, seeds, etc.,	980 80	
Harness and repairs,	199 85	
Hay, grain, etc.,	5,437 43	
Cows,	441 50	
Horses,	365 00	
Other live stock,	187 00	
Tools, farm machines, etc.,	97 39	
Sundries,	350 27	
		9,312 99
Miscellaneous: —		
Books, periodicals, etc.,	$518 17	
Chapel services and entertainments,	637 30	
Freight, expressage and transportation,	1,274 49	
Funeral expenses,	320 00	
Hose, etc.,	82 50	
Ice,	76 62	
Labor (not on pay roll),	1,894 16	
Medical attendance, nurses, etc. (extra),	385 00	
Medicines and hospital supplies,	1,092 47	
Postage,	161 99	
Printing,	14 50	
Return of runaways,	40 22	
Soap and laundry supplies,	2,196 51	
Stationery and office supplies,	342 59	
Telegraph and telephone,	491 01	
Tobacco,	795 98	
Travel and expenses of officials,	124 12	
Water,	2,391 44	
Sundries,	933 64	
		13,772 71
Total,		$181,070 35
Reverting to State treasury: —		
Of the 1904 appropriation,	$2,817 97	
Of the 1905 asylum fund,	6,692 20	
		9,510 17
Balance with State treasurer: —		
Maintenance appropriation,	$11,689 23	
Collections paid since Jan. 1, 1906,	5,211 58	
At asylum,	2,000 00	
		18,900 81
		$209,481 33

RESOURCES.

Balance with State Treasurer: —		
Maintenance appropriation, ...	$11,689 23	
At asylum, ...	2,000 00	
		$13,689 23

LIABILITIES.

Salaries and supplies, ...		13,396 83
		$292 40

INMATES' FUNDS.

Cash on hand Oct. 1, 1905, ...		$2,088 71
Received from inmates, ...	$721 10	
Received from interest on account, ...	33 21	
		754 31
		$2,843 02
Cash refunded, ...		388 45
Balance, ...		$2,454 57

Respectfully submitted,

ALBERT WOOD,
Treasurer.

WORCESTER, MASS., Dec. 1, 1906.

WORCESTER, MASS., Dec. 10, 1906.

The undersigned has this day carefully compared the treasurer's statement of the expenditures for the fourteen months ending Nov. 30, 1906, with the vouchers which are on file at the Worcester Insane Asylum, and finds it to be correct.

GEO. L. CLARK,
Examiner of Accounts.

Special Appropriations.

Object.	Resolve.	Whole Amount.	Expended during Fourteen Months.	Total Amount expended.	Balance.
Purchase of land,	1902, c. 434	$25,000 00	–	$24,938 20	$61 80
Repairs and alterations in kitchen and laundry,	1903, c. 414	27,000 00	$2,912 32	26,999 91	09
Furnishing Grafton colony,	1903, c. 414	13,500 00	–	13,499 78	22
New building for 60 women,	1903, c. 414	40,000 00	39 09	39,999 89	11
Sewer and water system,	1903, c. 414	10,000 00	–	10,000 00	–
Further colony development,	1904, c. 323	30,000 00	93 16	30,000 00	–
Power house,	1904, c. 323	26,000 00	104 46	25,999 49	51
Building for 100 women,	1904, c. 323	80,000 00	4,430 37	79,988 87	11 13
Electric lighting plant,	1904, c. 323	20,000 00	441 45	19,999 94	06
Refrigerating plant,	1904, c. 323	6,000 00	429 78	5,916 93	83 07
Building for 100 men,	1905, c. 444	80,000 00	71,816 12	77,174 12	2,825 88
Furnishing same,	1905, c. 87	5,000 00	1,241 50	1,241 50	3,758 50
Building for 50 men,	1905, c. 444	13,000 00	6,611 26	6,861 26	6,138 74
Furnishing same,	1905, c. 87	2,000 00	200 00	200 00	1,800 00
Bridge across Boston & Albany Railroad,	1905, c. 84	7,000 00	6,894 60	6,894 60	105 40
Laundry machinery,	1905, c. 84	5,000 00	4,253 00	4,253 00	747 00
Road machinery and approach to bridge,	1905, c. 84	1,500 00	870 86	1,480 86	19 14
Carpenters' machinery,	1905, c. 84	2,000 00	–	–	2,000 00
Repairing buildings, etc.,	1905, c. 84	3,200 00	2,349 96	2,926 18	273 82
Fencing,	1905, c. 84	1,600 00	80 86	275 04	1,324 96
Ovens and bread mixer,	1905, c. 84	1,500 00	–	–	1,500 00
Fire hose and extinguishers,	1905, c. 84	2,000 00	464 86	483 26	1,516 74
Extending telephones,	1905, c. 84	200 00	–	–	200 00
Additional out-buildings,	1905, c. 84	600 00	–	–	600 00
Carriages,	1905, c. 84	400 00	185 00	324 50	75 50
Cows,	1906, c. 94	1,000 00	785 00	785 00	215 00
Barn,	1906, c. 94	5,000 00	1,592 31	1,592 31	3,407 69
Trees,	1906, c. 94	500 00	–	–	500 00
Plumbing—female side,	1906, c. 94	9,500 00	4,056 81	4,056 81	5,443 19
Totals,	. . .	$418,500 00	$109,852 77	$385,891 45	$32,608 55

Respectfully submitted,

ALBERT WOOD,
Treasurer.

Asylum Fund.

Object.	Resolve.	Whole Amount.	Expended during Fourteen Months.	Total Amount expended.	Balance.
Enlarging dining rooms,	1904, c. 58	$5,000 00	$3,990 72	$4,390 68	$609 32
Telephone system,	1905, c. 89	1,200 00	1,198 63	1,198 63	1 37
Plumbing,	1905, c. 89	3,500 00	1,145 54	1,145 54	2,354 46
Two ovens,	1905, c. 89	1,100 00	-	315 00	785 00
Two boilers,	1905, c. 89	3,200 00	1,709 00	1,709 00	1,491 00
Totals,		$14,000 00	$8,043 89	$8,758 85	$5,241 15

Respectfully submitted,

ALBERT WOOD,
Treasurer.

STATISTICAL TABLES.

[Form prescribed by State Board of Insanity.]

1. — *General Statistics of the Year.*

	Insane.		
	Males.	Females.	Totals.
Patients in asylum Oct. 1, 1905, . .	360	344	704
Admitted within the year, . . .	31	171	202
Viz : by transfer, ...	31	169	200
from visit, ...	–	1	1
from visit, nominally, . . .	–	1	1
Whole number of cases in year, . .	391	515	906
Dismissed within year, ...	29	37	66
Discharged, ...	–	4	4
Viz.: as recovered at time of leaving asylum.	–	–	–
as capable of self-support, . .	–	–	–
as improved, ...	–	3	3
as not improved, ...	–	1	1
Died, ...	22	31	53
Transferred, ...	2	2	4
Escaped, ...	5	–	5
On visit Oct. 1, 1906, ...	–	–	–
Patients remaining Sept. 30, 1906, .	362	478	840
Viz.: supported as State patients, .	350	463	813
as private patients, .	–	–	–
as reimbursing patients,	12	15	27
Number of different persons within the year.	391	514	905
Number of different persons admitted, .	31	170	201
Number of different persons recovered,	–	–	–
Daily average number of patients, .	365.30	390.55	755.85
Viz.: State patients, ...	353.31	375.38	728.69
private patients, ...	–	–	–
reimbursing patients, . . .	11.99	15.17	27.16

2. — Received on First and Subsequent Admissions.

NUMBER OF ADMISSIONS.	CASES ADMITTED.		
	Males.	Females.	Totals.
First (to this asylum), ...	31	167	198
Second (to this asylum), ...	–	2	2
Third (to this asylum), ...	–	–	–
Total cases, ...	31	169	200
Total persons, ...	31	169	200

3. — Ages of Insane at First Attack and Death.

	PERSONS DIED.					
	AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, ...	3	2	5	–	–	–
15 years and less, ...	1	1	2	–	1	1
From 15 to 20 years, . . .	1	2	3	1	–	1
20 to 25 years, . . .	–	2	2	1	1	2
25 to 30 years, . . .	3	–	3	–	2	2
30 to 35 years, . . .	2	4	6	1	3	4
35 to 40 years, . . .	–	3	3	1	2	3
40 to 50 years, . . .	4	5	9	4	4	8
50 to 60 years, . . .	2	1	3	8	7	15
60 to 70 years, . . .	–	–	–	3	8	11
70 to 80 years, . . .	–	–	–	3	3	6
Over 80 years, ...	–	–	–	–	–	–
Unknown, ...	6	11	17	–	–	–
Totals, ...	22	31	53	22	31	53
Total persons, ...	22	31	53	22	31	53
Mean known ages in years,	36.15	35.41	35.08	52.27	50.80	51.41

4. — Form of Mental Diseases in Patients admitted or discharged, with their Condition on Discharge, or Death.

Form of Disease.	Admitted.			Discharged.												Died.			Total Discharges and Deaths.		
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.								
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital when received by institution from which transferred: —																					
Alcoholic insanity, chronic,	1	2	3	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Chronic delusional insanity,	3	9	12	–	–	–	–	–	–	–	1	1	–	–	–	3	1	4	3	2	5
Constitutional inferiority,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dementia, primary,	5	35	40	–	–	–	–	–	–	–	–	–	–	1	1	–	4	4	–	5	5
Dementia, chronic,	–	25	25	–	–	–	–	–	–	–	–	–	–	–	–	3	8	11	3	8	11
Dementia, senile,	–	6	6	–	–	–	–	–	–	–	–	–	–	–	–	2	–	2	2	–	2
Epilepsy,	–	9	9	–	–	–	–	–	–	–	–	–	–	–	–	1	1	2	1	1	2
General paresis,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Hysterical insanity,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Idiot,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Imbecile,	2	3	5	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Involution psychosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Involution psychosis, melancholia,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manic depressive insanity, maniacal phase,	–	3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manic depressive insanity, mixed,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Post paralytic dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Primary delusional insanity,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals A,	16	95	111	–	–	–	–	–	–	–	1	1	–	1	1	13	16	29	13	18	31

4. — Form of Mental Diseases in Patients admitted or discharged, with their Condition on Discharge, or Death — Concluded.

FORM OF DISEASE.	Admitted.			Discharged.												Died.			Total Discharges and Deaths.		
				Recovered.			Capable of Self-Support.			Improved.			Not Improved.								
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —																					
Alcoholic insanity, chronic,	5	4	9	–	–	–	–	–	–	–	1	1	–	–	–	2	–	2	2	1	3
Chronic delusional insanity,	–	11	11	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Dementia, primary,	3	18	21	–	–	–	–	–	–	–	–	–	–	–	–	1	5	6	1	5	6
Dementia, chronic,	–	10	10	–	–	–	–	–	–	–	–	–	–	–	–	2	4	6	2	4	6
Dementia, senile,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Epilepsy,	3	19	22	–	–	–	–	–	–	–	–	–	–	–	–	2	3	5	2	3	5
Hysterical insanity,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Idiot,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Imbecile,	1	4	5	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1
Imbecile with dementia,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Involution psychosis,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manic depressive insanity,	–	2	2	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1
Primary delusional insanity,	2	1	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals B,	15	74	89	–	–	–	–	–	–	–	2	2	–	–	–	9	15	24	9	17	26
Aggregate cases,	31	169	200	–	–	–	–	–	–	–	3	3	–	1	1	22	31	53	22	35	57
Aggregate persons,	31	169	200	–	–	–	–	–	–	–	3	3	–	1	1	22	31	53	22	35	57

5. — Discharges of the Insane, classified by Admissions and Results, and Deaths.

NUMBER OF THE ADMISSION.	Recovered.			Capable of Self-support.			Improved.			Not Improved.			Died.			Totals.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	–	–	–	–	–	–	–	3	3	–	1	1	21	31	52	21	35	56
Second,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	1	–	1
Third,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total cases,	–	–	–	–	–	–	–	3	3	–	1	1	22	31	53	22	35	57
Total persons first admitted to any hospital when received by institution from which transferred,	–	–	–	–	–	–	–	1	1	–	1	1	13	16	29	13	18	31

6. — Causes of Death and Forms of Mental Disease in Persons who died.

CAUSES OF DEATH.	Aggregate.			Alcoholic Insanity.			Chronic Delusional Insanity.			Dementia Primary.			Dementia Chronic.			Dementia Senile.			Dementia Post Paralytic.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																					
Epilepsy,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epilepsy, hypostatic pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Status epilepticus,	1	2	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion, chronic delusional insanity,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion, terminal dementia,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
General paresis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hemorrhagic pachy meningitis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Circulatory system: —																					
Arterio sclerosis, chronic nephritis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Cerebral thrombosis,	2	–	2	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral thrombosis, hypostatic pneumonia,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–
Cerebral thrombosis, paralysis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–
Cerebral hemorrhage, embolism,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
Chronic valvular heart disease,	3	7	10	1	–	1	–	–	–	–	2	2	1	4	5	–	–	–	–	–	–
General arterio sclerosis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–

Fatty myocarditis, general œdema,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–
Valvular heart disease, general œdema,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–
Valvular heart disease, malaria,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–
General diseases:—																						
Carcinoma of liver,	–	1	1	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic cystitis, broncho pneumonia,	1	–	1	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Senile debility, chronic prostatitis,	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–
Streptococcus stomatitis,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–
Spinal tuberculosis, lumbar abscess,	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–
Typhoid fever,	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Respiratory system:—																						
Pneumonia, broncho,	4	–	4	–	–	–	–	–	–	–	–	–	1	–	1	2	–	2	–	–	–	–
Pneumonia, broncho, bronchiectasis,	–	1	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–
Pneumonia, lobar,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, septic,	1	–	1	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–
Pulmonary tuberculosis,	2	5	7	–	–	–	–	–	–	1	2	3	1	1	2	–	–	–	–	–	–	–
Pulmonary tuberculosis, broncho pneumonia,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–
Pulmonary tuberculosis, gastro enteritis,	1	–	1	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–
Totals,	22	31	53	3	–	3	3	2	5	1	9	10	5	12	17	3	–	3	1	–	1	

6. — Causes of Death and Forms of Mental Disease in Persons who died — Concluded.

CAUSES OF DEATH.	Hysterical Insanity.			Involution Psychosis.			General Paresis.			Epilepsy.			Imbecile.			Idiot.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Nervous system: —																		
Epilepsy,	–	–	–	–	–	–	–	–	–	1	1	2	–	–	–	–	–	–
Epilepsy, hypostatic pneumonia,	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
Status epilepticus,	–	–	–	–	–	–	–	–	–	1	2	3	–	–	–	–	–	–
Exhaustion, chronic delusional insanity,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Exhaustion, terminal dementia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General paresis,	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–
Hemorrhagic pachy meningitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Circulatory system: —																		
Arterio sclerosis, chronic nephritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral thrombosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral thrombosis, hypostatic pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral thrombosis, paralysis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cerebral hemorrhage, embolism,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic valvular heart disease,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1
General arterio sclerosis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Fatty myocarditis, general œdema,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease, general œdema,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Valvular heart disease, malaria,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
General diseases: —																			
Carcinoma of liver,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Chronic cystitis, broncho pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Senile debility, chronic prostatitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Streptococcus stomatitis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Spinal tuberculosis, lumbar abscess,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Typhoid fever,	–	–	–	–	1	1	–	–	–	–	–	–	–	1	1	–	–	–
Respiratory system: —																			
Pneumonia, broncho,	–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	–
Pneumonia, broncho, bronchiectasis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, lobar,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia, septic,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pulmonary tuberculosis,	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	1	1
Pulmonary tuberculosis, broncho pneumonia,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Pulmonary tuberculosis, gastro enteritis,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Totals,	–	1	1	–	1	1	1	–	1	3	4	7	1	1	2	1	1	2

7. — Duration of Mental Disease and its Treatment in Patients who recovered or died.

PERIOD.	First admitted to Any Hospital when received by Institution from which transferred.									All Other Admissions.					
	Duration before admission.			Hospital residence.			Whole duration.			Whole known period of mental disease.			Whole known period of hospital residence.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A.—Recovered,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B.—Died:—															
Under 1 month,	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 3 months,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–
From 3 to 6 months,	1	1	2	–	–	–	–	–	–	–	–	–	–	–	–
From 6 to 12 months,	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–
From 1 to 2 years,	4	1	5	–	2	2	–	–	–	–	–	–	–	–	–
From 2 to 5 years,	1	4	5	1	1	2	–	1	1	–	–	–	1	1	2
From 5 to 10 years,	1	–	1	3	9	12	–	4	4	1	1	2	–	1	1
From 10 to 20 years,	–	3	3	4	2	6	5	5	10	3	4	7	3	6	9
Over 20 years,	–	1	1	5	2	7	5	2	7	3	7	10	5	7	12
Totals,	10	12	22	13	16	29	10	12	22	7	12	19	9	15	24
Unknown,	3	4	7	–	–	–	3	4	7	2	3	5	–	–	–
Totals,	13	16	29	13	16	29	13	16	29	9	15	24	9	15	24
Average of known cases (in months),	21	77.35	51.72	197.15	110.12	149.14	226.10	170.35	195.69	210.03	291.12	260.19	215.22	249.60	240.04